The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

3/17/11

Stephen Gilpatric
Assistant District Attorney
Middlesex County

Dear ADA Gilpatric:

Enclosed is the analytical information you requested in regards to laboratory certificate numbers ▮▮▮▮▮▮▮▮▮▮▮▮▮▮ Included are copies of the following:

1) Laboratory Drug Receipt
2) Laboratory Control Cards with chemists' hand notations
3) Drug Powder Analysis Forms with chemist's hand notations
4) Gas Chromatograph/Mass Spectrometer (GC/MS) analytical data

All preliminary tests were performed by Kate Corbett and the GC/MS analyses of these items were completed by Daniel Renczkowski.

If you have any questions about this material, please call the laboratory at 617-983-6622.

Sincerely,

Daniel Renczkowski
Chemist II
DPH Forensic Drug Analysis Laboratory

cc: CBS, KAC

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours
8:00 – 11:00
2:00 – 4:00

DRUG RECEIPT

Amherst Hours
9:00 – 12:00
1:00 – 4:00

City or Department: _Malden P.D._   Police Reference No.: █████████
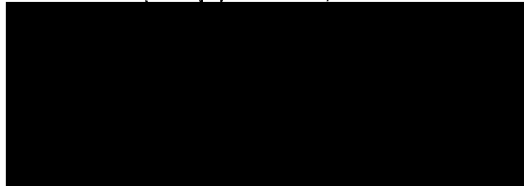
Name and Rank of Submitting Officer: _Det Frank W. Spinale_

Defendant(s) Name (last, first, initial)

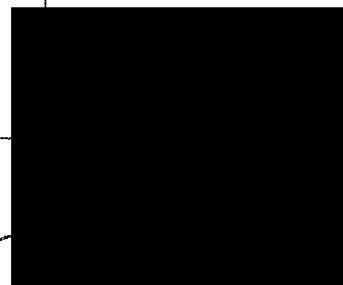████████████████

Description of Samples	Gross Weight	Lab Number
5 Bags Brown powder	5.16 gm	████████
2 Bags Brown powder	4.10 gm	

Received by: _(signature)_   Date: _4-16-05_

No. ███████ Date Analyzed: 2-25-10

City: Malden Police Dept.

Officer: Detective FRANK SPINALE

Def: ████████████████ Subst: SUB

Amount:

No. Cont: 5   Cont: pb

Date Rec'd: 07/16/2009 No. Analyzed: 1

Gross Wt.: 5.16 Net Weight: 0.13g

Tests: 5ICAR

• JDJR

Prelim: Heroin   Findings: Heroin

No. ███████ Date Analyzed: 2-25-10

City: Malden Police Dept.

Officer: Detective FRANK SPINALE

Def: ████████████████ Subst: SUB

Amount:

No. Cont: 2 Cont: pb

Date Rec'd: 07/16/2009 No. Analyzed: 1

Gross Wt.: 4.10 Net Weight: 0.13 g

Tests: 5MC

• 2DDR

Prelim: Heroin Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # ██████████████ AGENCY _Malden_ ANALYST _KAC_

No. of samples tested: _1_ Evidence Wt. _OK_

PHYSICAL DESCRIPTION:

5 similar pbs containing
tan powder

double bagged

Gross Wt (5): _1.5585g_

Gross Wt (1): _0.2454g_

Pkg. Wt: _0.1139g_

Net Wt: _0.1315g_

PRELIMINARY TESTS
Spot Tests

Cobalt Thiocyanate ( )	+
Marquis	+
Froehde's	+
Mecke's	+

Microcrystalline Tests

Gold Chloride _____

TLTA ( ) _____

OTHER TESTS

_____

_____

_____

PRELIMINARY TEST RESULTS

RESULTS _Heroin_

DATE _2/19/10_

GC/MS CONFIRMATORY TEST

RESULTS _Heroin_

MS OPERATOR _DJR_

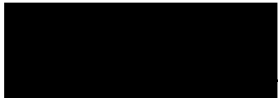DATE _2/25/10_

Revised 7/2005

DRUG POWDER ANALYSIS FORM

SAMPLE # ████████████ AGENCY Malden ANALYST KAC

No. of samples tested: _1_ Evidence Wt. OK

PHYSICAL DESCRIPTION:

2 Similar pbs Containing
tan powder

double bagged

Gross Wt (2): 0.5212g

Gross Wt (1): 0.2153g

Pkg. Wt: 0.0875g

Net Wt: 0.1278g

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate ( ) _+_

Marquis _+_

Froehde's _+_

Mecke's _+_

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 2/19/10

GC/MS CONFIRMATORY TEST

RESULTS Heroin
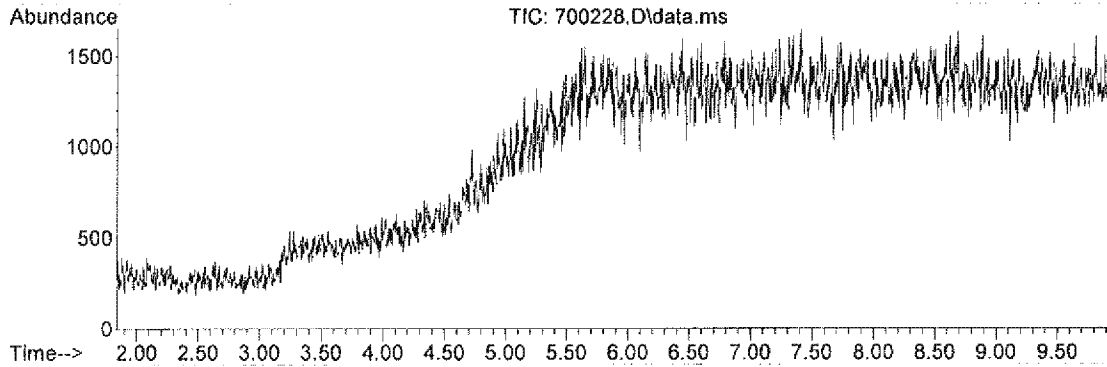
MS OPERATOR DJR

DATE 2/25/10

Revised 7/2005

Information from Data File:
```
File Name       : F:\Q1-2010\SYSTEM7\02_23_10\700228.D
Operator        : DJR
Date Acquired   : 23 Feb 2010  16:29
Sample Name     : BLANK
Submitted by    :
Vial Number     :   1
AcquisitionMeth : DRUGS.M
Integrator      : RTE
```
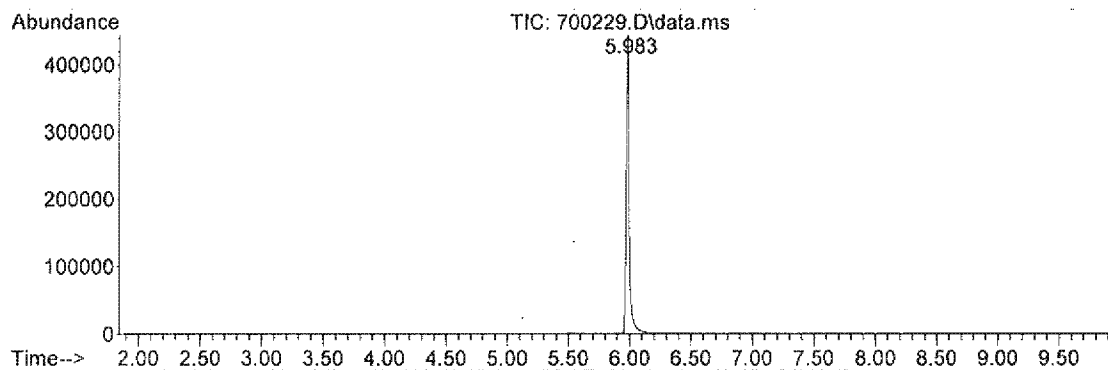

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
```
File Name      : F:\Q1-2010\SYSTEM7\02_23_10\700229.D
Operator       : DJR
Date Acquired  : 23 Feb 2010  16:42
Sample Name    : HEROIN STD
Submitted by   :
Vial Number    :  29
AcquisitionMeth: DRUGS.M
Integrator     : RTE
```
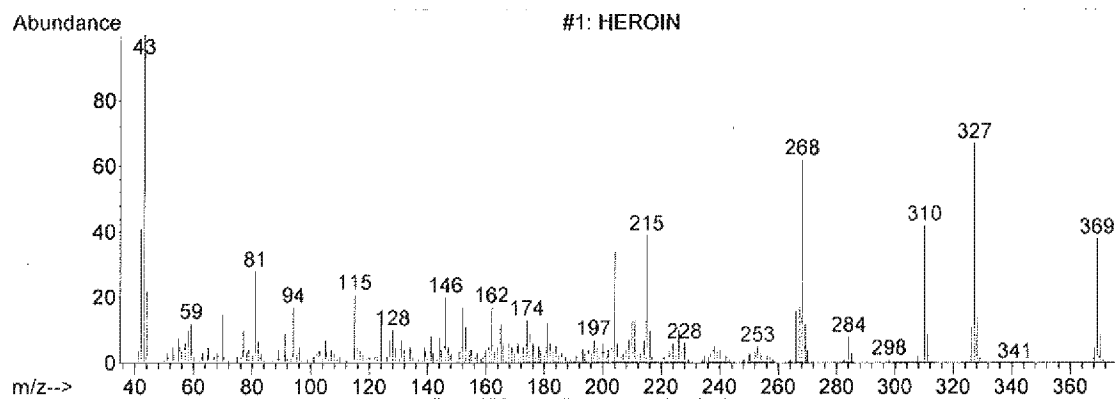
Abundance   TIC: 700229.D\data.ms

Ret. Time	Area	Area %	Ratio %
5.983	699411	100.00	100.00

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700229.D
Operator   : DJR
Date Acquired : 23 Feb 2010 16:42
Sample Name   : HEROIN STD
Submitted by   :
Vial Number   : 29
AcquisitionMeth: DRUGS.M
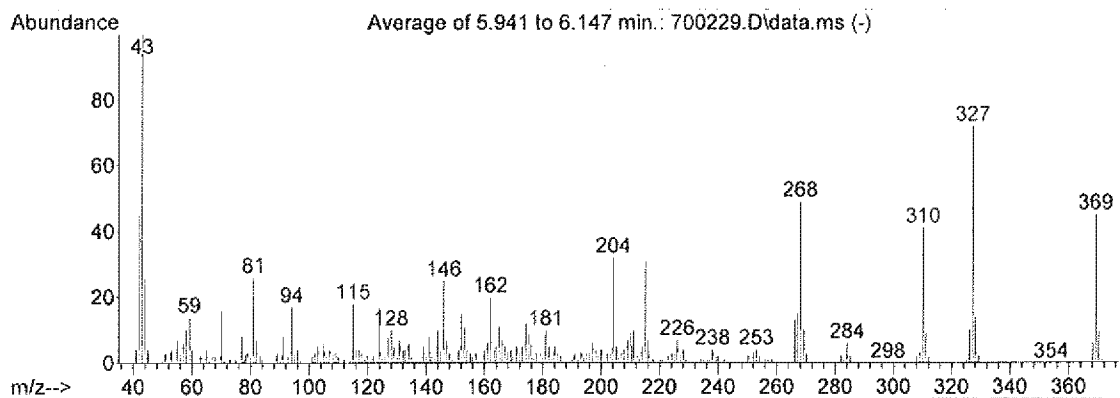Integrator   : RTE
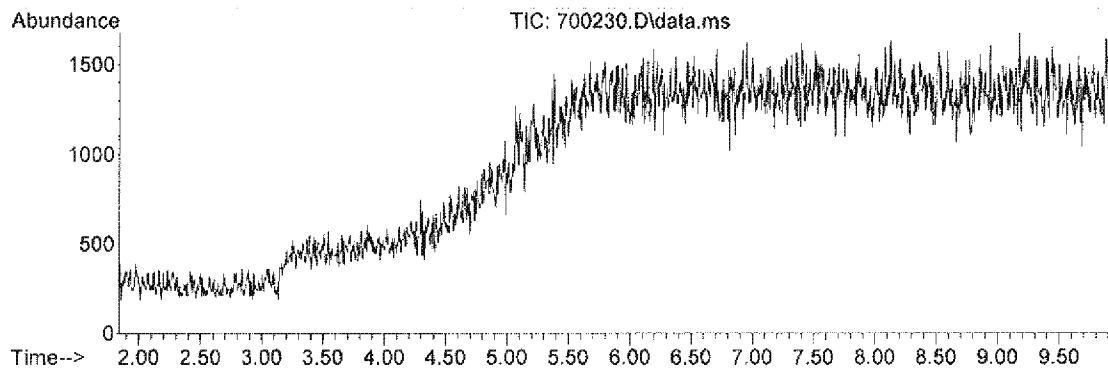
Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.98	C:\Database\SLI.L		
		HEROIN	000561-27-3	99

Average of 5.941 to 6.147 min.: 700229.D\data.ms (-)

#1: HEROIN

700229.D   Thu Mar 17 10:22:16 2011   Page 2

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700230.D
Operator   : DJR
Date Acquired   : 23 Feb 2010 16:54
Sample Name   : BLANK
Submitted by   : KAC
Vial Number   :   1
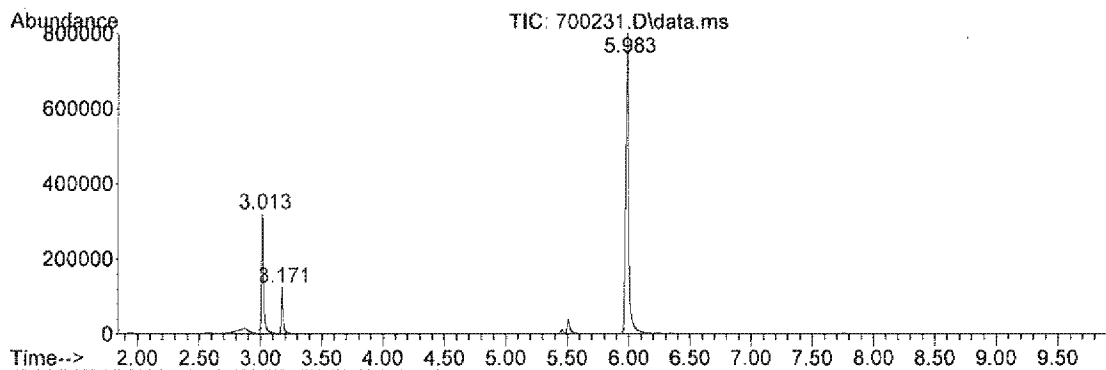AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700231.D
Operator   : DJR
Date Acquired : 23 Feb 2010 17:07
Sample Name   : ███████████
Submitted by   : KAC
Vial Number   : 31
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %
3.013	383283	21.61	30.42
3.171	130353	7.35	10.34
5.983	1260133	71.04	100.00

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700231.D
Operator   : DJR
Date Acquired   : 23 Feb 2010 17:07
Sample Name   : ██████████
Submitted by   : KAC
Vial Number   : 31
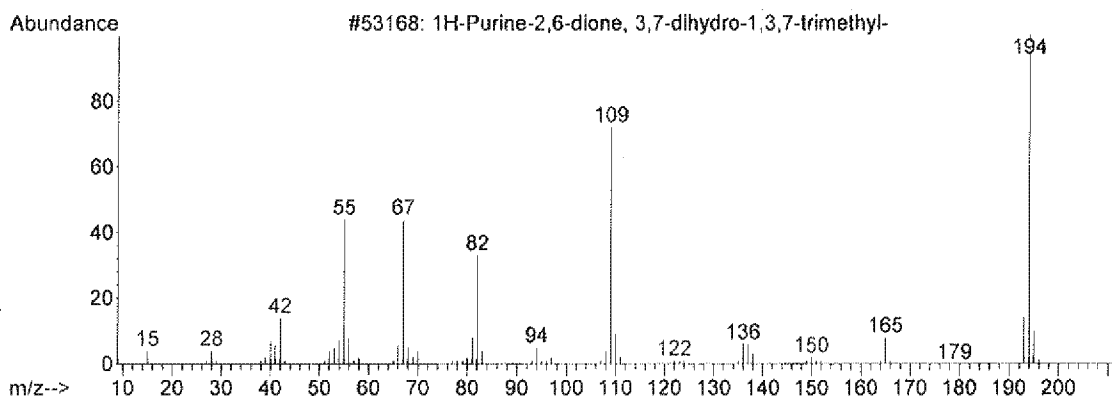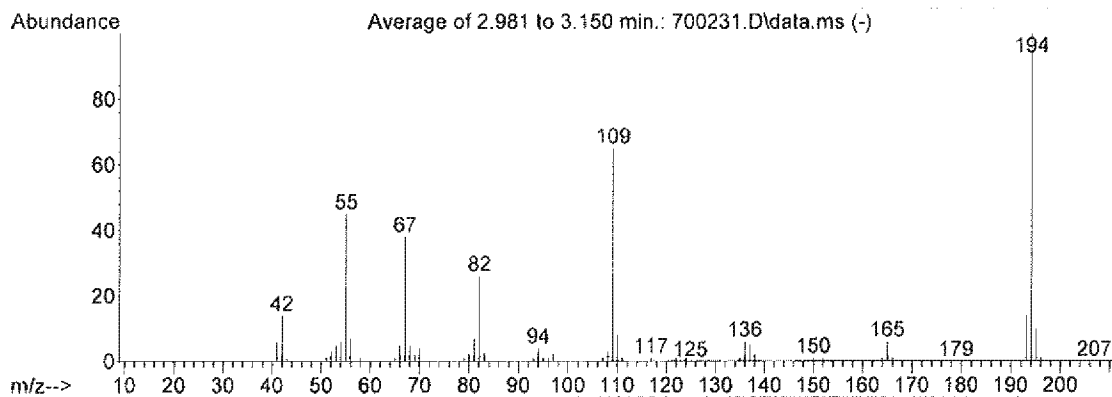AcquisitionMeth : DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

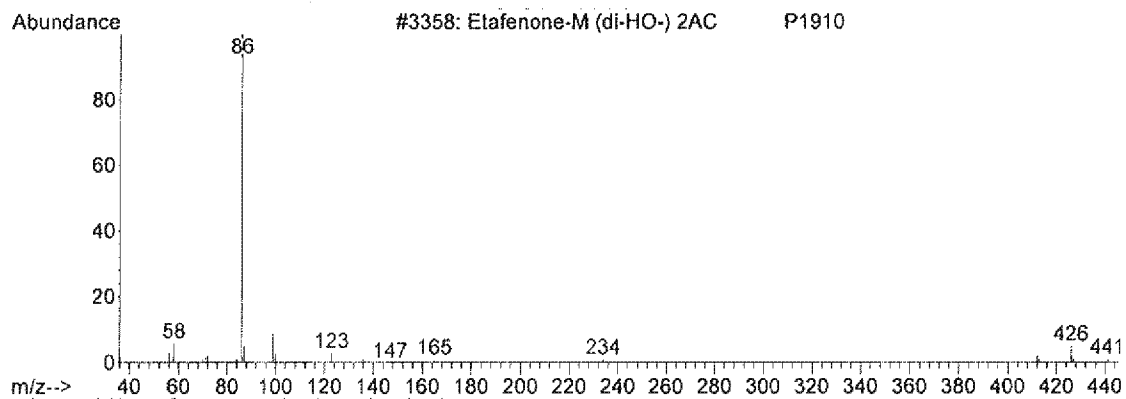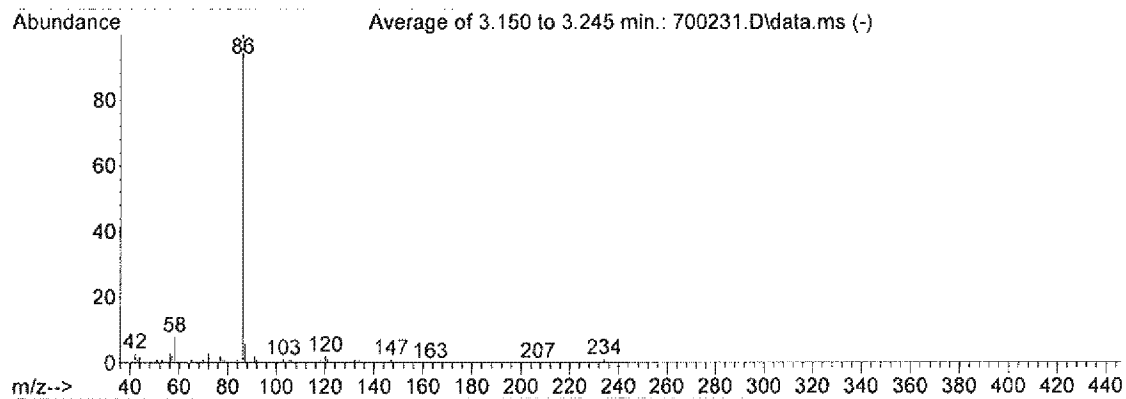| PK#	RT	Library/ID	CAS#	Qual
1	3.01	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	97

Abundance   Average of 2.981 to 3.150 min.: 700231.D\data.ms (-)

Abundance   #53168: 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl-

```
Information from Data File:
File Name      : F:\Q1-2010\SYSTEM7\02_23_10\700231.D
Operator       : DJR
Date Acquired  : 23 Feb 2010  17:07
Sample Name    : █████████
Submitted by   : KAC
Vial Number    :  31
AcquisitionMeth: DRUGS.M
Integrator     : RTE
```

Search Libraries:	C:\Database\SLI.L	Minimum Quality: 80
	C:\Database\NIST05a.L	Minimum Quality: 80
	C:\Database\PMW_TOX2.L	

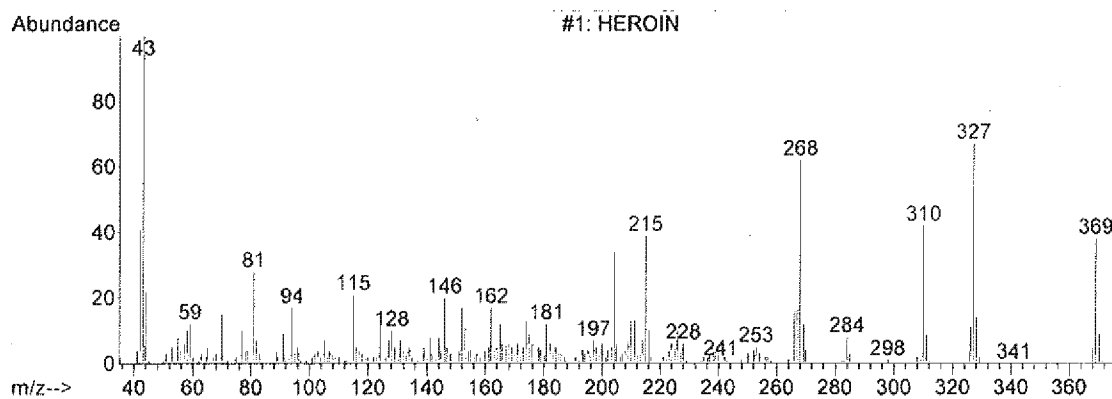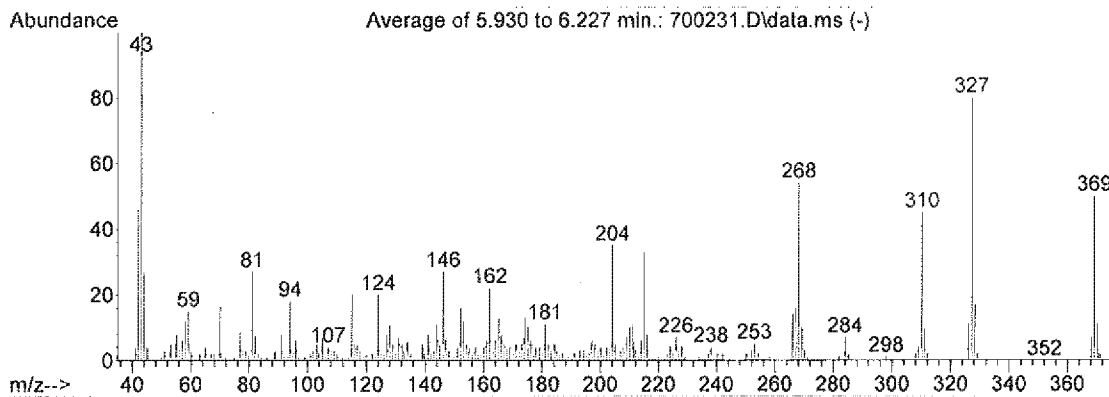| PK#	RT	Library/ID	CAS#	Qual
2	3.17	C:\Database\PMW_TOX2.L		
		Etafenone-M (di-HO-) 2AC	000000-00-0	64
		Drofenine	001679-76-1	40
		Etafenone-M (HO-) isomer-2 AC	000000-00-0	40

Abundance   Average of 3.150 to 3.245 min.: 700231.D\data.ms (-)

Abundance   #3358: Etafenone-M (di-HO-) 2AC   P1910

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700231.D
Operator   : DJR
Date Acquired   : 23 Feb 2010 17:07
Sample Name   : █████████
Submitted by   : KAC
Vial Number   : 31
AcquisitionMeth : DRUGS.M
Integrator   : RTE
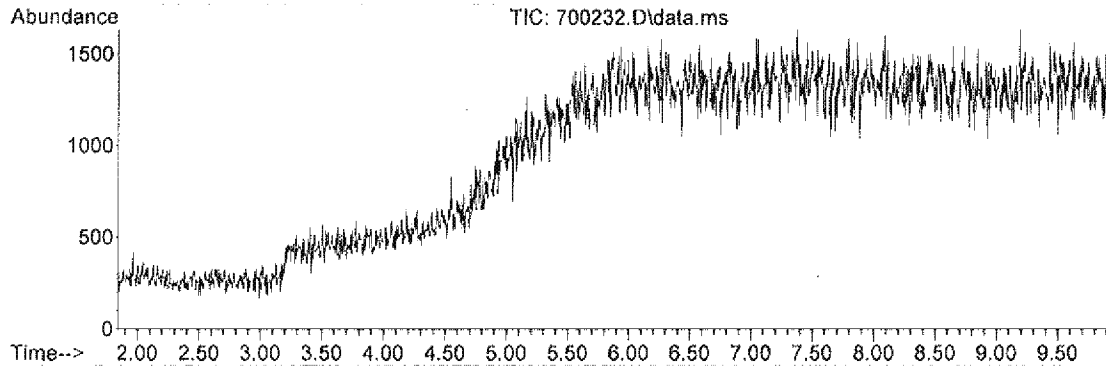
Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	5.98	C:\Database\SLI.L		
		HEROIN	000561-27-3	99

Average of 5.930 to 6.227 min.: 700231.D\data.ms (-)

#1: HEROIN

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700232.D
Operator   : DJR
Date Acquired : 23 Feb 2010 17:20
Sample Name   : BLANK
Submitted by   : KAC
Vial Number   :   1
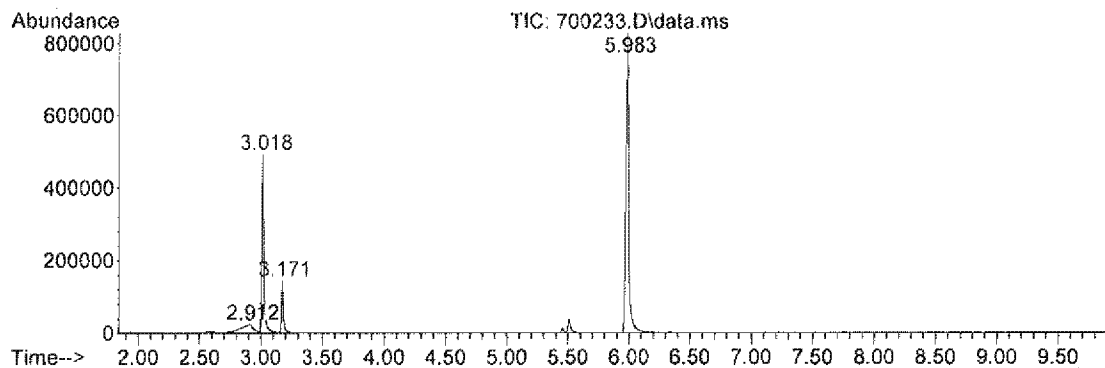AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 700232.D\data.ms

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700233.D
Operator   : DJR
Date Acquired : 23 Feb 2010 17:32
Sample Name   : ███████████
Submitted by   : KAC
Vial Number   : 33
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 700233.D\data.ms
 800000   5.983

 600000
              3.018

 400000

 200000   3.171
              2.912

      0
Time--> 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50
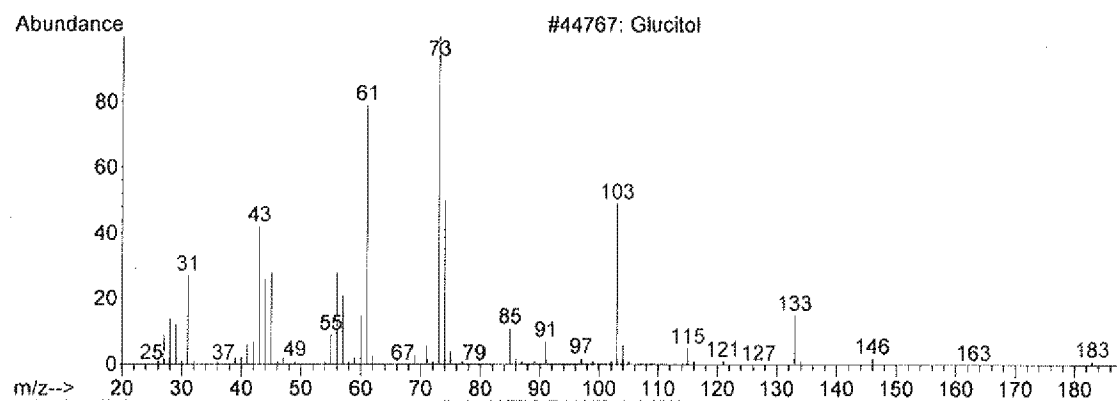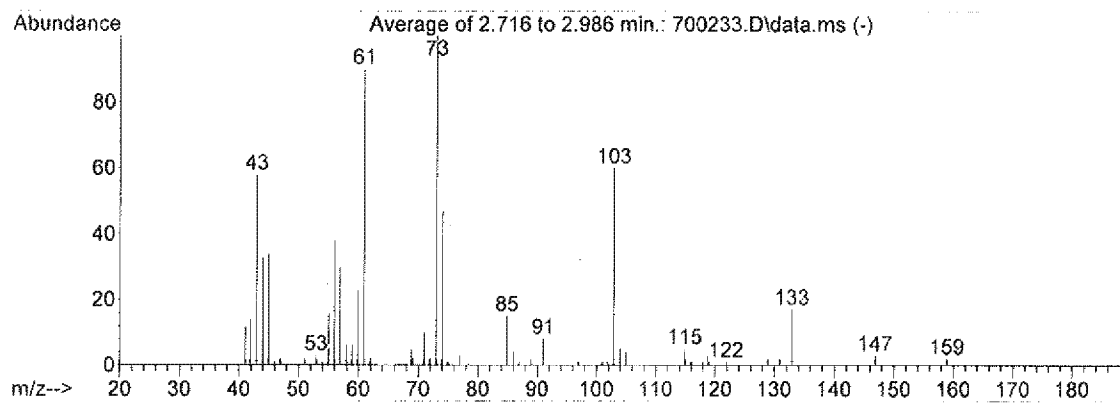

Ret. Time	Area	Area %	Ratio %
2.912	149718	7.05	11.92
3.018	571430	26.91	45.49
3.171	145816	6.87	11.61
5.983	1256217	59.17	100.00

700233.D   Thu Mar 17 10:22:34 2011   Page 1

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700233.D
Operator   : DJR
Date Acquired : 23 Feb 2010 17:32
Sample Name   : ██████████
Submitted by   : KAC
Vial Number   : 33
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST05a.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

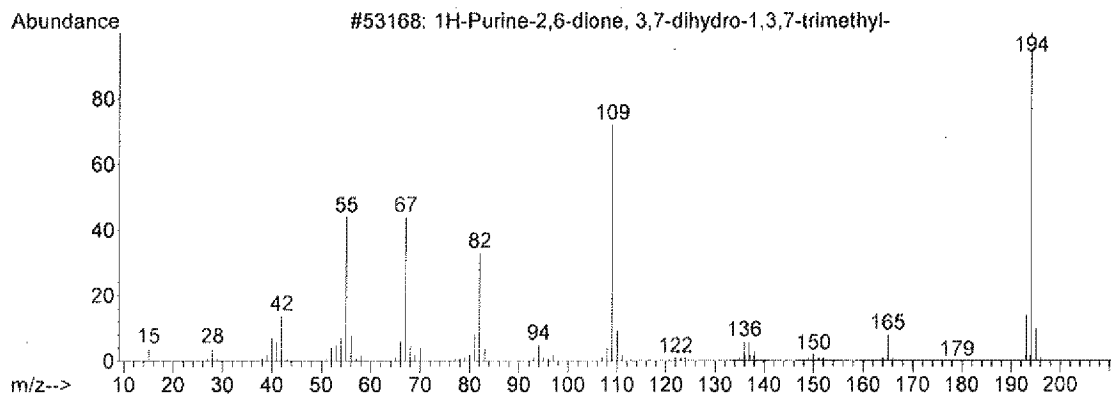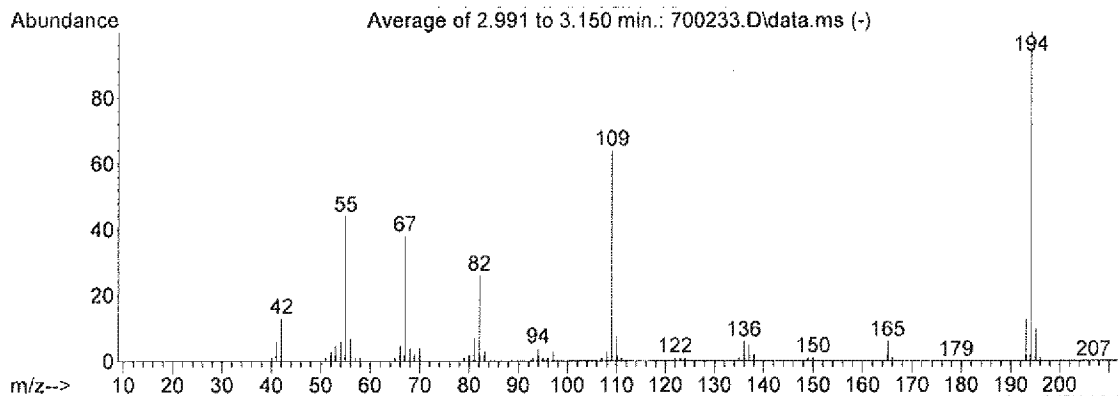| PK#	RT	Library/ID	CAS#	Qual
1	2.91	C:\Database\NIST05a.L		
		Glucitol	026566-34-7	90
		Sorbitol	000050-70-4	86
		D-Mannitol	000069-65-8	72

Abundance   Average of 2.716 to 2.986 min.: 700233.D\data.ms (-)

Abundance   #44767: Glucitol

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700233.D
Operator   : DJR
Date Acquired   : 23 Feb 2010   17:32
Sample Name   : ████████
Submitted by   : KAC
Vial Number   : 33
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

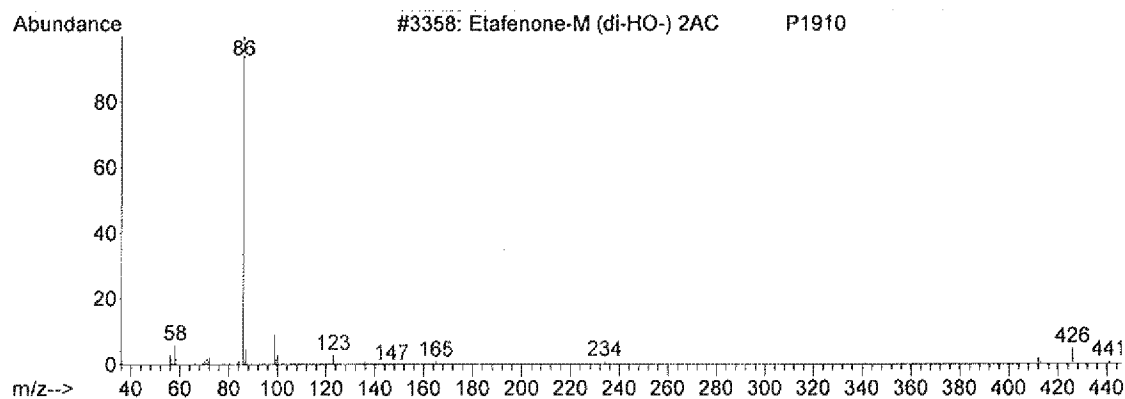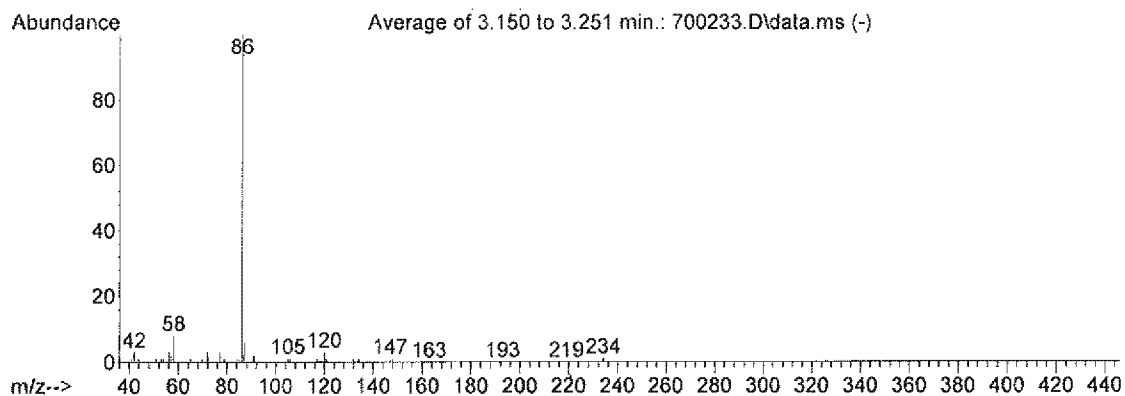| PK#	RT	Library/ID	CAS#	Qual
2	3.02	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	97

Abundance   Average of 2.991 to 3.150 min.: 700233.D\data.ms (-)

Abundance   #53168: 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl-

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700233.D
Operator   : DJR
Date Acquired : 23 Feb 2010 17:32
Sample Name   : ███████████
Submitted by   : KAC
Vial Number   : 33
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST05a.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

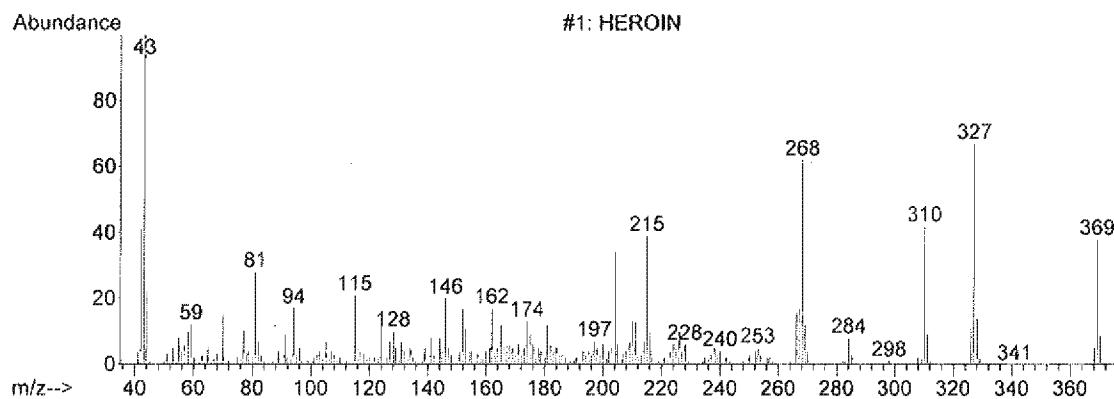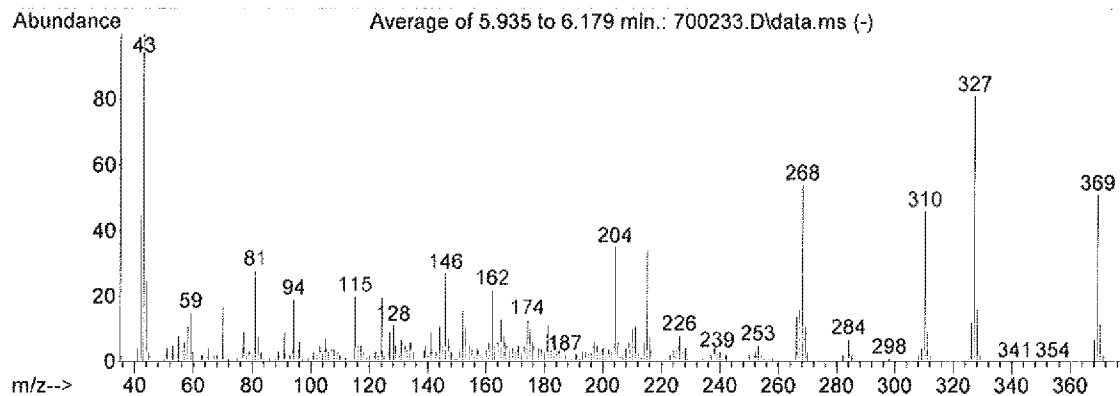| PK#	RT	Library/ID	CAS#	Qual
3	3.17	C:\Database\PMW_TOX2.L		
		Etafenone-M (di-HO-) 2AC	000000-00-0	78
		Etafenone-M (HO-) isomer-2 AC	000000-00-0	56
		Etafenone-M (HO-) isomer-1 AC	000000-00-0	40

Abundance   Average of 3.150 to 3.251 min.: 700233.D\data.ms (-)

Abundance   #3358: Etafenone-M (di-HO-) 2AC   P1910

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700233.D
Operator   : DJR
Date Acquired : 23 Feb 2010 17:32
Sample Name   : ███████████
Submitted by   : KAC
Vial Number   : 33
AcquisitionMeth: DRUGS.M
Integrator   : RTE
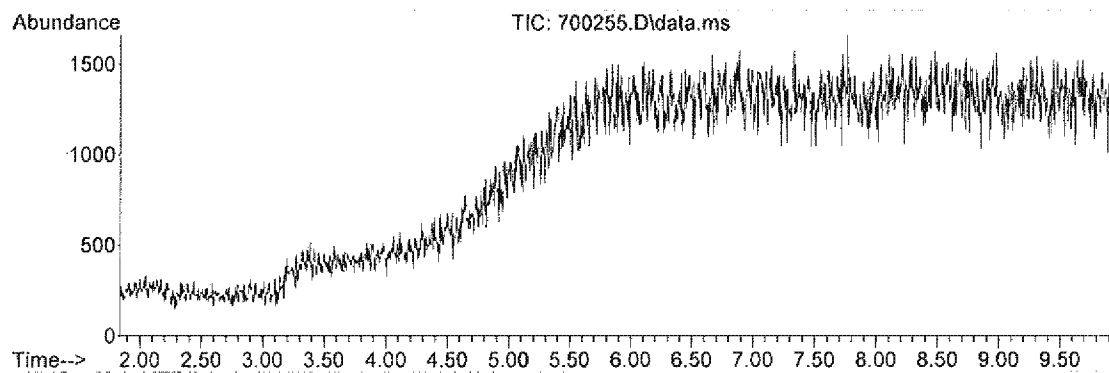
Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	5.98	C:\Database\SLI.L		
		HEROIN	000561-27-3	99

Abundance   Average of 5.935 to 6.179 min.: 700233.D\data.ms (-)

Abundance   #1: HEROIN

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700255.D
Operator   : DJR
Date Acquired : 23 Feb 2010 22:11
Sample Name   : BLANK
Submitted by :
Vial Number   :   1
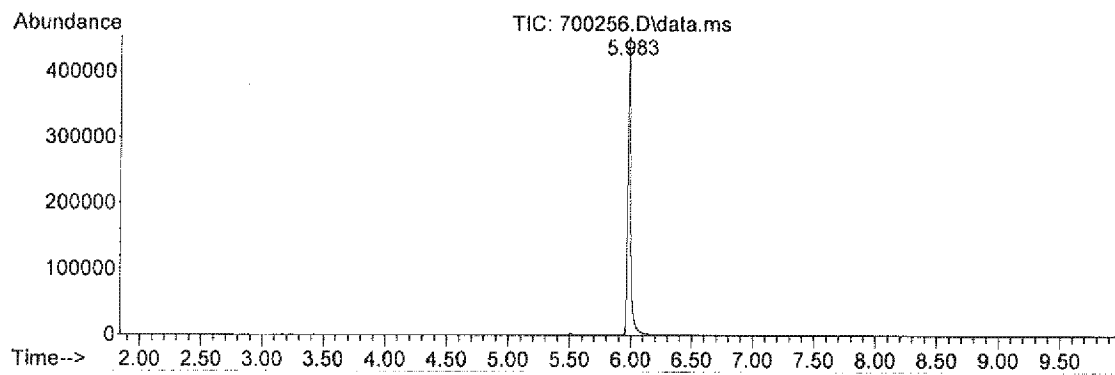AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 700255.D\data.ms

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700256.D
Operator   : DJR
Date Acquired : 23 Feb 2010   22:24
Sample Name   : HEROIN STD
Submitted by   :
Vial Number   : 56
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %
5.983	705509	100.00	100.00

Information from Data File:
File Name   : F:\Q1-2010\SYSTEM7\02_23_10\700256.D
Operator   : DJR
Date Acquired : 23 Feb 2010 22:24
Sample Name   : HEROIN STD
Submitted by :
Vial Number   : 56
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.98	C:\Database\SLI.L		
		HEROIN	000561-27-3	99

Average of 5.941 to 6.174 min.: 700256.D\data.ms (-)

#1: HEROIN